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**Kamen et al.**(10) **Pub. No.: US 2019/0351963 A1**(43) **Pub. Date: Nov. 21, 2019**(54) **CONTROL OF A PERSONAL TRANSPORTER  
BASED ON USER POSITION****Publication Classification**(71) Applicant: **DEKA Products Limited Partnership,**  
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(57) **ABSTRACT**

An apparatus controller for prompting a rider to be positioned on a vehicle in such a manner as to reduce lateral instability due to lateral acceleration of the vehicle. The apparatus has an input for receiving specification from the rider of a desired direction of travel, and indicating means for reflecting to the rider a propitious instantaneous body orientation to enhance stability in the face of lateral acceleration. The indicating may include a handlebar that is pivotable with respect to the vehicle and that is driven in response to vehicle turning.

